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F4R RMP R376 R774

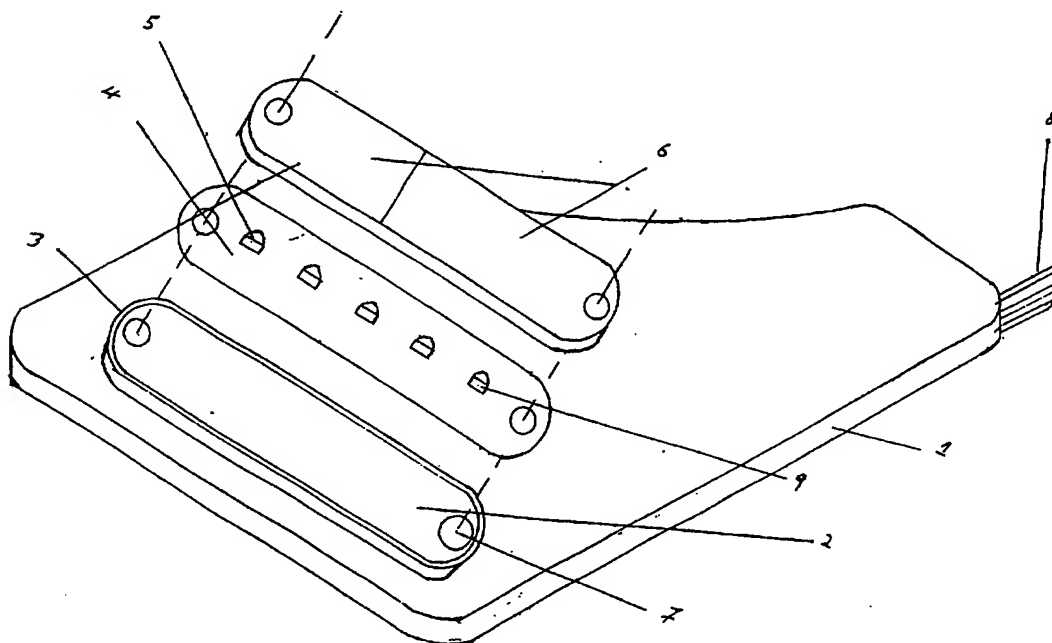
(56) Documents Cited
DE 029807234 U **US 5025351 A**

(58) Field of Search
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INT CL⁷ B60Q 1/38 1/44
ONLINE: WPI,EPODOC,JAPIO

(54) Abstract Title
Vehicle mudflap with brake/indicator lights

(57) A vehicle rear mudflap has brake/indicator lights attached thereto. A light seat 2 with peripheral groove 3 fits into an aperture in the mudflap 1, the light seat carrying a circuit board 4 and lights 5 (connected via wires 8 to the main lights) under a cover 6.

Fig 2



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FIG 1

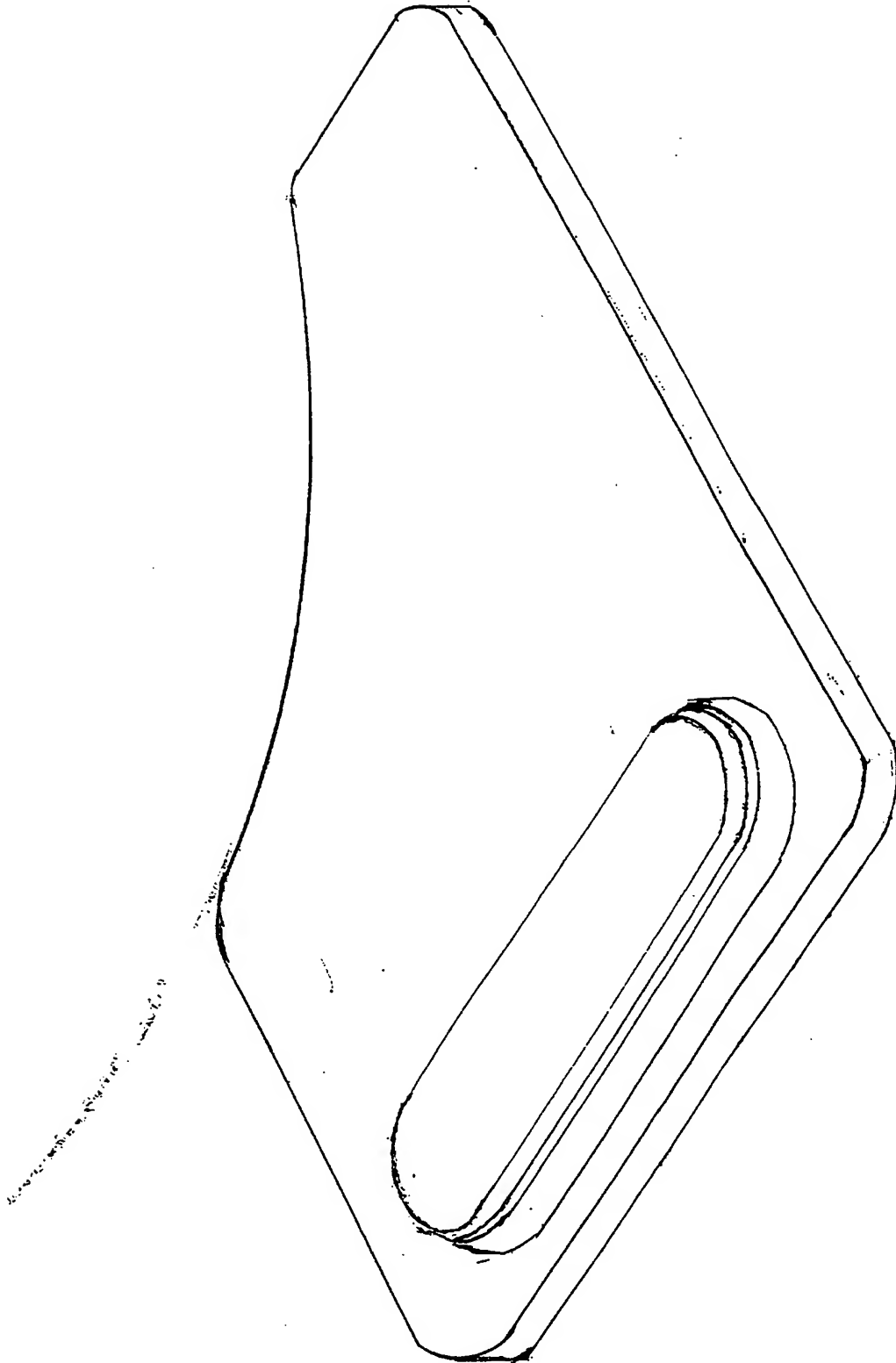


FIG 2

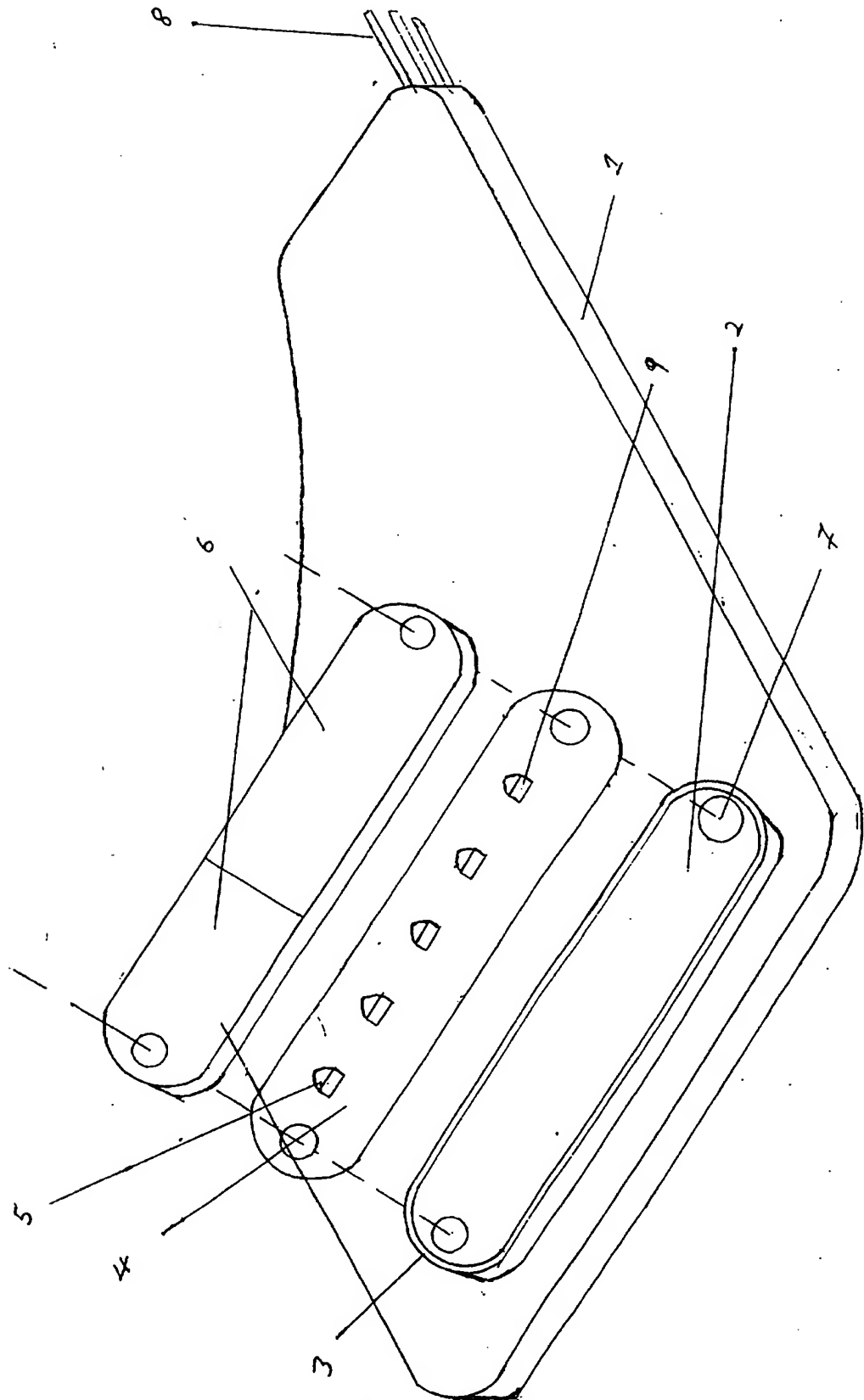
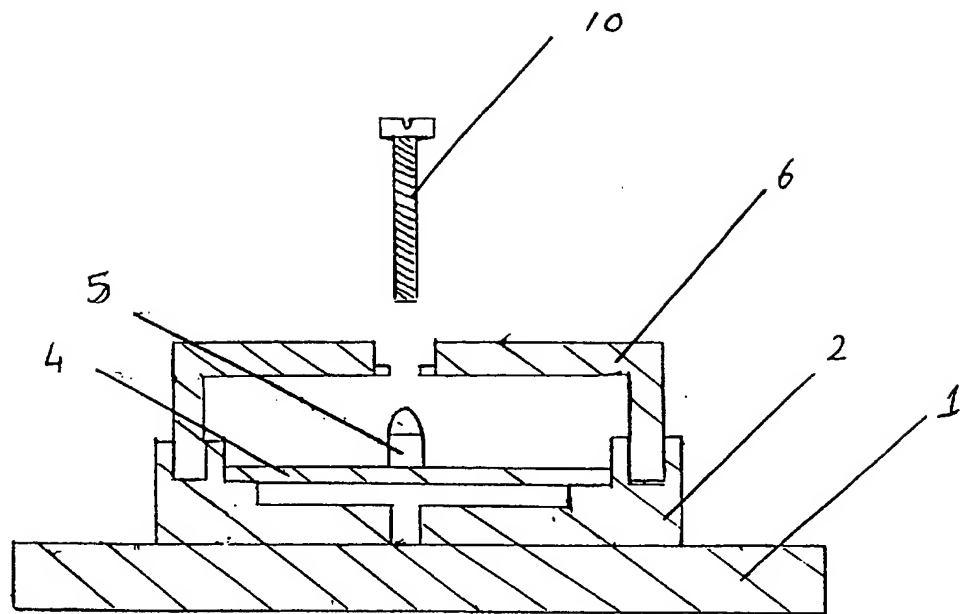


FIG 2a



DESCRIPTION OF C.M.E

This invention is of a new design with mainly safety aspects in mind. Which consist of improved visibility to the rear of the vehicle whilst driving in poor weather conditions. also to heighten and get a speedy response from driver of the rear-moving vehicle as to what the vehicle in front is doing therefore alerting drivers from the rear to your actions averting dangerous situations.

The only mudguards currently in use are poorly designed reflective ones quite ineffective as they are only visible in darkness and fair weather conditions.

To drive a vehicle you must have good visibility of the vehicle in front, Hence the design C.M.E. The C.M.E. is quite visible in very foggy and rainy Weather conditions.

Most vehicle stop lights are made up from twin filament bulbs therefore in poor driving conditions it is quite hard to tell whether or not the preceding vehicle is braking or not but if the vehicle was fitted with a C.M.E. it would be quite obvious what manoeuvre the vehicle in front was going to make even in severe weather conditions therefore reducing the risk of serious accidents.

Where a standard mudguard is situated It is not visible in darkness and poor weather conditions, but where a C.M.E. mudguard is fitted, it illuminates an otherwise obscure and dark part of a vehicle making sure that the following driver of the vehicle behind is alerted of the preceding vehicles actions making sure that the driver has a much clearer view as to what the preceding vehicle is doing therefore creating less chance of having an accident.

Another feature of the C.M.E. is that it gives a unique novelty look, which enhances the rear of the vehicle, where it is not usually noticeable otherwise.

DESCRIPTION OF DRAWINGS

FIG.1 is showing in perspective a drawing of the present invention

FIG.2 is showing in perspective an exploded view of the present invention

FIG.2a is showing a cross-sectional view of FIG.2

Referring to the drawing in FIG.2 is consisting of a standard size mudguard (1) of good quality

With a light bracket (2) with a peripheral groove (3) and the fixtures for the screws (7) positioned on either side of the light bracket (2) which is fitted to the outer face of the mudguard (1) giving it maximum protection

From severe weather conditions and providing optimum visibility from the rear.

Attached to the light bracket (2) is the circuit board (4) with the wires (8) which are fed through the mudguard (1) enabling connection of the lights (5) on the circuit board (4) to be connected to the lights on the car thus enabling the lights (4) to illuminate when the lights on the vehicle are activated . The circuit board (4) then fits inside the peripheral groove (3) of the light bracket (2) providing a good insulation for the lights (5) and circuit board (4). Then the light cover (6) is then able to add complete protection by means of the peripheral groove (3) And the screws (10)as shown in FIG.2a

Claim one

A rear vehicle mudguard with break indicator light device consisting of a rear mudguard, a light seat provided with a peripheral groove.

Printed circuit board position light means and brake indicator light means and printed circuit board being mounted on the light seat, and a light cover fitted in the peripheral groove, waterproof ability a set of wires being disposed on the printed circuit board to electrically connect the light means with the printed circuit board. The printed circuit board being extended through the rear mudguard to electrically connect with the

External brake /indicator lights when the break /indicator lights are activated the brake/indicator lights are illuminated.

Claim two

A rear vehicle mudguard as claimed in claim one is made Up of a light seat a printed circuit board and a light cover Are provided with corresponding holes, permitting a Secure fitting through light seat printed circuit board and And light cover together.



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Claims searched: 1-2

Examiner: Colin Clarke
Date of search: 13 February 2001

Patents Act 1977 Search Report under Section 17

Databases searched:

UK Patent Office collections, including GB, EP, WO & US patent specifications, in:

UK CI (Ed.S): F4R (RMP)

Int CI (Ed.7): B60Q 1/38,1/44

Other: ONLINE: WPI, EPODOC, JAPIO

Documents considered to be relevant:

Category	Identity of document and relevant passage	Relevant to claims
X	US 5025351 MARTIN see whole document	1-2
X	DE 29807234 U HBN-TEKNIK see figs & Derwent Abstract 1998-448622	1-2

X	Document indicating lack of novelty or inventive step	A	Document indicating technological background and/or state of the art.
Y	Document indicating lack of inventive step if combined with one or more other documents of same category.	P	Document published on or after the declared priority date but before the filing date of this invention.
&	Member of the same patent family	E	Patent document published on or after, but with priority date earlier than, the filing date of this application.